

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/GB2005/001322

**A. CLASSIFICATION OF SUBJECT MATTER**  
 IPC 7 C30B25/02 C30B29/52 C30B23/02

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
 IPC 7 C30B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, COMPENDEX, INSPEC, WPI Data, PAJ

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<b>NOUHI A ET AL:</b> "MOLECULAR BEAM EPITAXY AND METALORGANIC CHEMICAL VAPOR DEPOSITION GROWTH OF EPITAXIAL CdTe ON (100) GaAs/SI AND (111) GaAs/SI SUBSTRATES" <i>APPLIED PHYSICS LETTERS, AMERICAN INSTITUTE OF PHYSICS, NEW YORK, US,</i> <i>vol. 52, no. 24,</i> <i>13 June 1988 (1988-06-13), pages 2028-2030, XP000020280</i> <i>ISSN: 0003-6951</i> <b>Y</b> <i>page 2028, column 2, line 28 – page 2029, column 1, line 28</i> <i>-----</i> <i>-/-</i>	1-6, 9, 23-27, 29
		28

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

\* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
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- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
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Date of the actual completion of the International search

17 August 2005

Date of mailing of the International search report

25/08/2005

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	JOHNSON S M ET AL: "DIRECT GROWTH OF CDZNTE/SI SUBSTRATES FOR LARGE-AREA HGCDTE INFRARED FOCAL PLANE ARRAYS" JOURNAL OF ELECTRONIC MATERIALS, WARRENDALE, PA, US, vol. 24, no. 5, 1 May 1995 (1995-05-01), pages 467-473, XP000571373	31-36
Y	page 468, column 2, line 20 - page 469, column 2, line 2; figures 5,9  page 470, column 2, line 25 - page 472, column 1, line 17 ----- US 4 650 539 A (IRVINE ET AL) 17 March 1987 (1987-03-17) cited in the application  the whole document -----	7,8, 10-22, 30,37
Y	US 4 566 918 A (IRVINE ET AL) 28 January 1986 (1986-01-28) cited in the application column 3, line 45 - column 6, line 29; claims 1,8-11; figure 2 -----	7,8, 10-12, 14-22, 28,30,37
P,X	HALL D J ET AL: "HIGH-PERFORMANCE LONG-WAVELENGTH HGCDTE INFRARED DETECTORS GROWN ON SILICON SUBSTRATES" APPLIED PHYSICS LETTERS, AMERICAN INSTITUTE OF PHYSICS, NEW YORK, US, vol. 85, no. 11, 13 September 2004 (2004-09-13), pages 2113-2115, XP001226600 ISSN: 0003-6951 the whole document -----	1-37
A	EP 0 619 615 A (HE HOLDINGS, INC; HUGHES AIRCRAFT CO) 12 October 1994 (1994-10-12)  column 3, line 32 - column 7, line 6; claims 1-9; figures 1,2 -----	1-3, 7-12,23, 25,27, 29,30,37

# INTERNATIONAL SEARCH REPORT

Information on patent family members

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PCT/GB2005/001322

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